Title (en)

Apparatus for maintaining an antenna vertical in portable communication devices.

Title (de)

Vorrichtung zum Halten der senkrechten Lage einer Antenne, die in einem tragbaren Kommunikationsgerät benutzt wird.

Title (fr)

Appareil pour maintenir verticalement la position d'une antenne employée dans un émetteur-récepteur portable.

Publication

EP 0652646 A1 19950510 (EN)

Application

EP 94307852 A 19941026

Priority

US 14874093 A 19931105

Abstract (en)

A pole antenna (302) of a hand-held, portable communication device (102), such as a cellular telephone, is maintained in a substantially vertical orientation. An antenna mast (302) provides a support structure for the antenna. A pivot means (312) couples a medial portion of the antenna mast to a housing (404) of the communication device. The pivot means allows movement of the antenna mast about an axis of rotation. A weight is fixedly attached to the lower end of the antenna mast. The action of gravity acting on the weight maintains the antenna mast in a substantially vertical orientation as the housing of the communication device is tilted at an angle. <IMAGE>

IPC 1-7

H04B 1/38; H01Q 1/18

IPC 8 full level

H01Q 1/12 (2006.01); **H01Q 1/18** (2006.01); **H01Q 1/24** (2006.01); **H04B 1/38** (2015.01); **H04B 1/3827** (2015.01); **H04W 88/02** (2009.01)

CPC (source: EP US)

H01Q 1/18 (2013.01 - EP US); **H01Q 1/242** (2013.01 - EP US)

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